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In this paper, we consider a smoothing kernel based classification rule \hat{f} optimizing the performance of the rule by learning the bandwidth of the data-dependent distance metric. The data-dependent ...

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Today's processors provide a rich source of statistical information on application hardware counters. In this paper, we explore the utilization of these statistics in server applications for identifying requests ...

Keywords: anomaly detection, hardware counter, operating system and server system

7 [Operating System Modifications for Task-Based Speed and Voltage](#) Jacob R. Lorch, Alan Jay Smith May 2003 **MobiSys '03**: Proceedings of the 1st international conference on mobile systems and services**Publisher:** ACM Full text available:  [Pdf \(221.63 KB\)](#) Additional Information: [full citation](#), [references](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 25, Citations**8** [Queue: Volume 6 Issue 5](#) September 2008 Queue **Publisher:** ACMFull text available:  [Digital Edition](#) ,  [Pdf \(6.07 MB\)](#) Additional Information: [full citation](#)**Bibliometrics:** Downloads (6 Weeks): 41, Downloads (12 Months): 536, Citations**9** [Communications of the ACM: Volume 51 Issue 3](#) March 2008 Communications of the ACM **Publisher:** ACMFull text available:  [Digital Edition](#) ,  [Pdf \(7.56 MB\)](#) Additional Information: [full citation](#)**Bibliometrics:** Downloads (6 Weeks): 218, Downloads (12 Months): 2297, Citations**10** [Log summarization and anomaly detection for troubleshooting distributed systems](#) Dan Gunter, Brian L. Tierney, Aaron Brown, Martin Swamy, John Bresnahan September 2007 **GRID '07**: Proceedings of the 8th IEEE/ACM International Symposium on Grid Computing**Publisher:** IEEE Computer SocietyFull text available:  [Pdf \(223.77 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 17, Citations

Today's system monitoring tools are capable of detecting system failure

errors, and network partitions in near-real time. Unfortunately, the same to-end distributed software stack. Any given ...

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12 [Adaptive caching for demand prepagging](#)

Scott F. Kaplan, Lyle A. McGeoch, Megan F. Cole

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Demand prepagging was long ago proposed as a method for taking advantage of and avoiding long disk latencies by fetching, at each page fault, not only the other pages predicted to be used soon. Studies performed ...

Keywords: adaptive caching, block paging, clustering, prepagging

Also published in:

February 2003 [SIGPLAN Notices](#) Volume 38 Issue 2 supplement

13 [Communications of the ACM: Volume 52 Issue 3](#)

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14 [Robust clustering of eye movement recordings for quantification of v](#)

Anthony Santella, Doug DeCarlo

March 2004 [ETRA '04: Proceedings of the 2004 symposium on Eye tracking](#)

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Characterizing the location and extent of a viewer's interest, in terms of which informs a range of investigations in image and scene viewing. We present a method for accomplishing this, which clusters visual ...

Keywords: clustering, eye movement analysis, mean shift, measures of




15 [Communications of the ACM: Volume 51 Issue 6](#)

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- 16 [Identifying potential parallelism via loop-centric profiling](#)
 Tipp Moseley, Daniel A. Connors, Dirk Grunwald, Ramesh Peri
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The transition to multithreaded, multi-core designs places a greater respo
 software for improving performance; thread-level parallelism (TLP) will
 addition to instruction-level parallelism (ILP) ...

Keywords: loop profiling, parallelization

- 17 [Detecting splogs via temporal dynamics using self-similarity analysis](#)
 Yu-Ru Lin, Hari Sundaram, Yun Chi, Junichi Tatemura, Belle L. Tseng
 February 2008 **Transactions on the Web (TWEB)** , Volume 2 Issue 1
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This article addresses the problem of spam blog (splog) detection using
 regularity of content, post time and links. Splogs are undesirable blogs
 traffic, used solely for promoting affiliate sites. ...

Keywords: Blogs, regularity, self-similarity, spam, splog detection, ter

- 18 [DCAS is not a silver bullet for nonblocking algorithm design](#)
 Simon Doherty, David L. Delleys, Lindsay Groves, Christine H. Flood, Victor
 Mark Morr, Nir Shavit, Guy L. Steele, Jr.
 June 2004 **SPAA '04: Proceedings of the sixteenth annual ACM symposiu**
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Despite years of research, the design of efficient nonblocking algorithms
 is that current shared-memory multiprocessor architectures support onl
 synchronisation primitives such as compare-and-swap (CAS) ...

Keywords: DCAS, concurrent data structures, double-compare-and-sw
 multiprocessors, nonblocking synchronization

- 19 [Human hand modeling from surface anatomy](#)
 Taehyun Bhee, Ulrich Neumann, J. P. Lewis

March 2006 **13D '06**: Proceedings of the 2006 symposium on Interactive 3D
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The human hand is an important interface with complex shape and movement. In gaming applications the use of an individualized rather than generic hand model can increase the sense of immersion and in some cases may lead to ...

Keywords: anatomy, curve detection, graphics, human hand, modeling

20 [Queue: Volume 6 Issue 4](#)
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 **Publisher:** ACM
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Flash is growing from mere curiosity to a new tier in the storage hierarchy.

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